

### TYPICAL SECTION

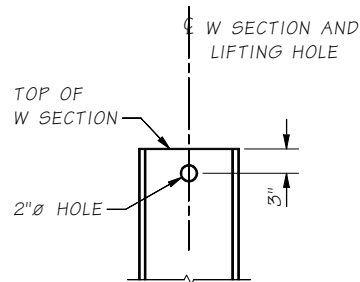
SHOWN FOR SOLDIER PILE WITH P.G.A.  
SIMILAR FOR SOLDIER PILE WITHOUT P.G.A.

P.G.A.= PERMANENT GROUND ANCHOR

LAGGING SYSTEM SHALL BE DESIGNED BY THE  
CONTRACTOR AND SUBMITTED TO THE ENGINEER  
FOR APPROVAL IN ACCORDANCE WITH THE  
STANDARD SPECIFICATION SECTION 6-16.3(6).

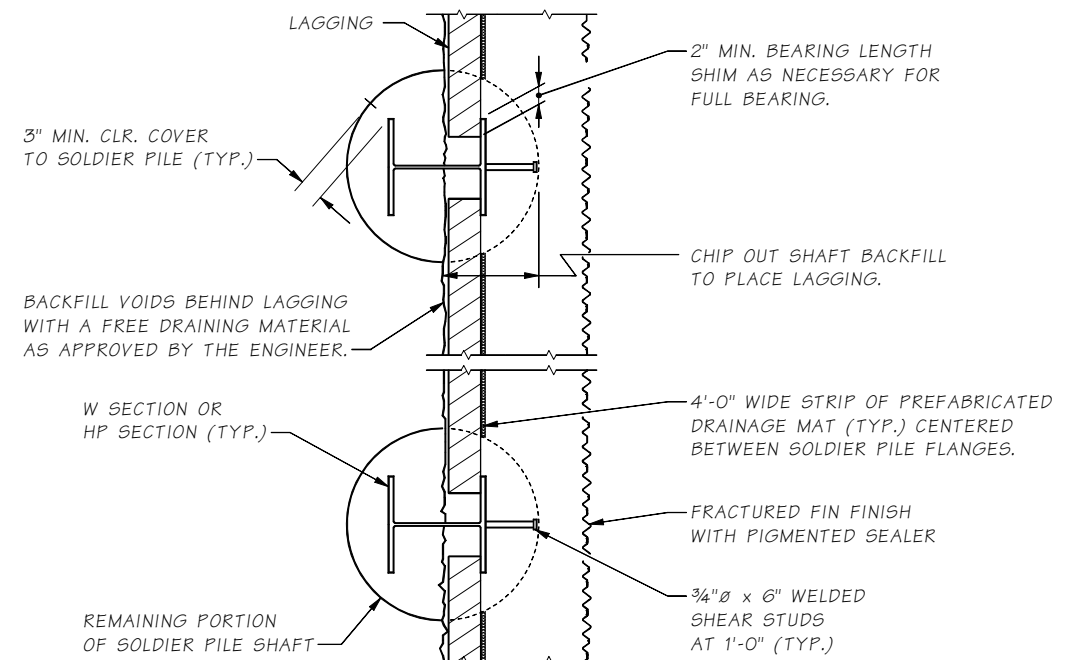
\* USE CONTROLLED DENSITY FILL WHEN PLACED  
IN THE DRY. USE PUMPABLE LEAN CONCRETE  
WHEN PLACED IN THE WET.

LAGGING IN SERVICE  
LESS THAN 36 MONTHS

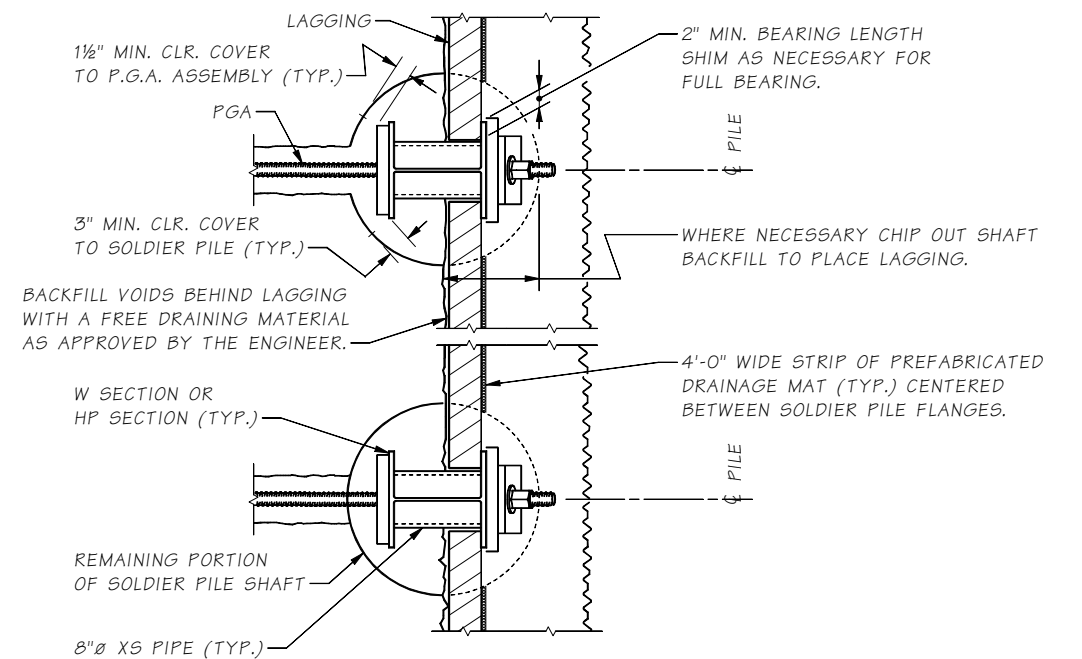


### SOLDIER PILE LIFTING HOLE

LIFTING HOLE TO BE DRILLED  
IN THE SHOP PRIOR TO  
PAINTING THE PILE.



### PLAN SOLDIER PILE WALL WITHOUT P. G. A.



### PLAN SOLDIER PILE WALL WITH P. G. A.

#### Note to Designer:

For walls with P.G.A. use a  
section size with a flange  
width bigger than or equal to  
HP12x53 or W12x65

Bridge Design Engr.	M:\STANDARDS\Walls\SOLDIER TIEBACK DETAILS A.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

Wed Oct 27 10:45:30 2010

BRIDGE  
AND  
STRUCTURES  
OFFICE



Washington State  
Department of Transportation

SOLDIER PILE/TIEBACK WALL  
DETAILS 1 OF 2

BRIDGE  
SHEET  
NO.  
SHEET  
OF  
SHEETS

SR JOB NO. SHEET

8.1-A3-2